SAMSUNG

COLOUR TELEVISION

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

REMOTE CONTROL

ON-SCREEN MENUS

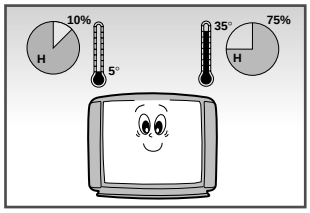
ENJOY GAME

ENG

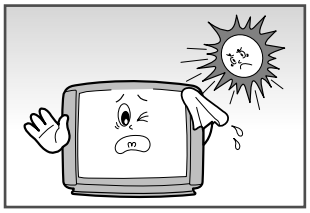
Safety Instructions

ENG

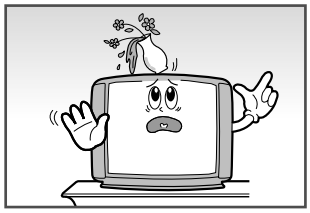
The following illustrations represent the precautions to be taken when using and moving your television.



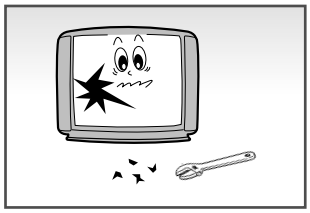
Do NOT expose the television to extreme temperature conditions (below 5°C and above 35°C) or to extreme humidity conditions (less than 10% and more than 75%).



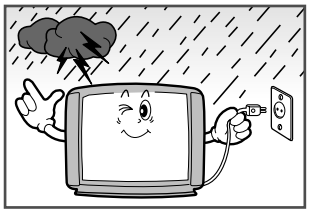
Do NOT expose the television to direct sunlight.



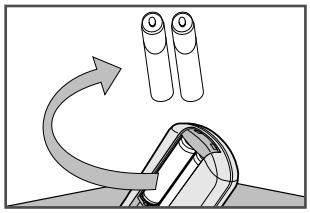
Do NOT expose the television to any liquids.



If the television is broken, do not try to repair it yourself. Contact qualified service personnel.



During a storm conditions (especially when there is lightning) unplug the television from the mains socket and aerial.



If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.

THIS DEVICE IS NOT FOR USE IN INDUSTRIAL ENVIRONMENTS

➢ **Please use a soft and dry cloth (not containing volatile matter) when you clean the TV.**

Caution

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

☛ ***The main voltage is indicated on the rear of the TV set and the frequency is 50 or 60Hz.***

The lightning flash and arrow head within the triangle is a warning sign alerting you of “dangerous voltage” inside the product.

The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

Mode	System
CS	PAL-B/G, D/K, I, SECAM-B/G,D/K, I, NTSC4.43 (NTSC3.58; option)
CB	PAL-B/G
CZ	PAL-B/G, D/K, I, SECAM-B/G,D/K, I, NTSC4.43

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Symbols

Press **Important** **Note**

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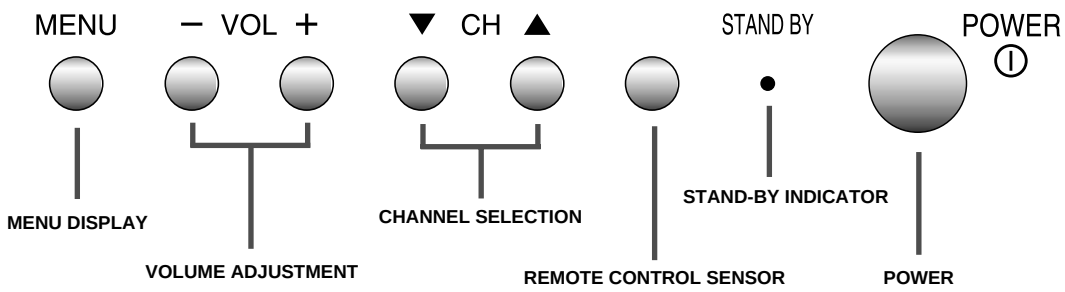
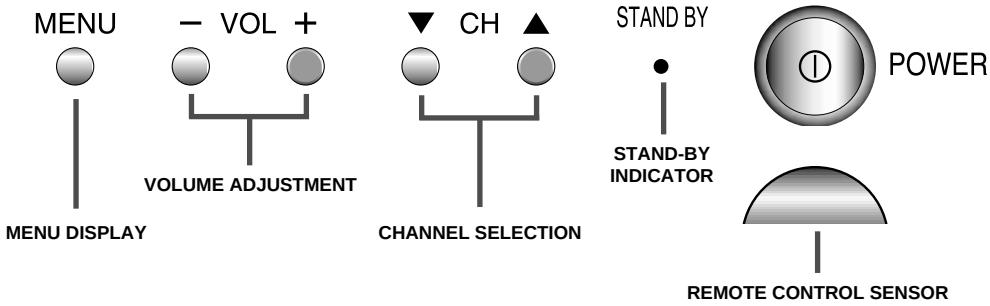
Front Panel Controls (depending on the model)

➢ ***Buttons and markings are subject to change.***





Using the Buttons on the Front Panel

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If your remote control no longer works or you have lost it, you can use the controls on the front panel of the television to:

1. ***Switch on the television when it is in Standby mode and select channels (▼CH▲)***
2. ***Access the main menu (MENU)***
3. ***Adjust the volume (-VOL+)***

Buttons on the front panel have the same function as corresponding buttons on the remote control.

Connection Panels

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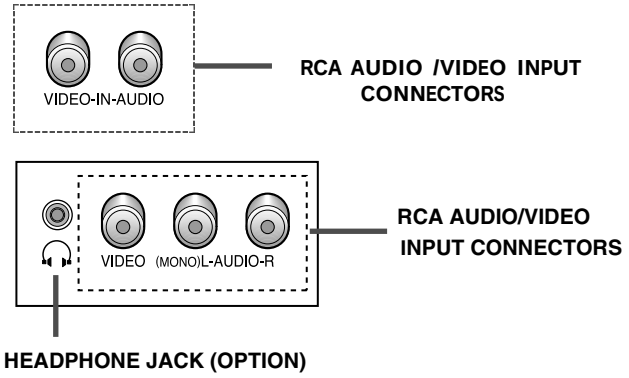
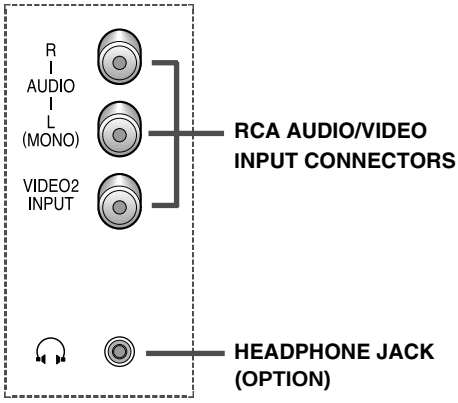
➢ ***The actual configuration on your TV may be different, depending on your model.***

Front of TV



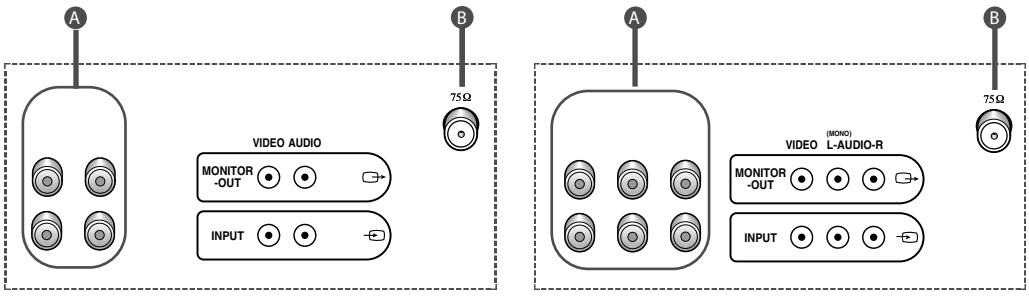
Side of TV



➢ **Connecting earphones ( ) /headphones ( )**

- You can connect a set of earphones/headphones to your television if you wish to watch a television programme without disturbing the other people in the room.
- Prolonged use of earphones/headphones at a high volume may damage your hearing.

Rear of TV



A) RCA AUDIO/VIDEO INPUT/OUTPUT CONNECTORS
B) 75 COAXIAL CONNECTOR FOR AERIAL/CABLE NETWORK

Infrared Remote Control (depending on the model)

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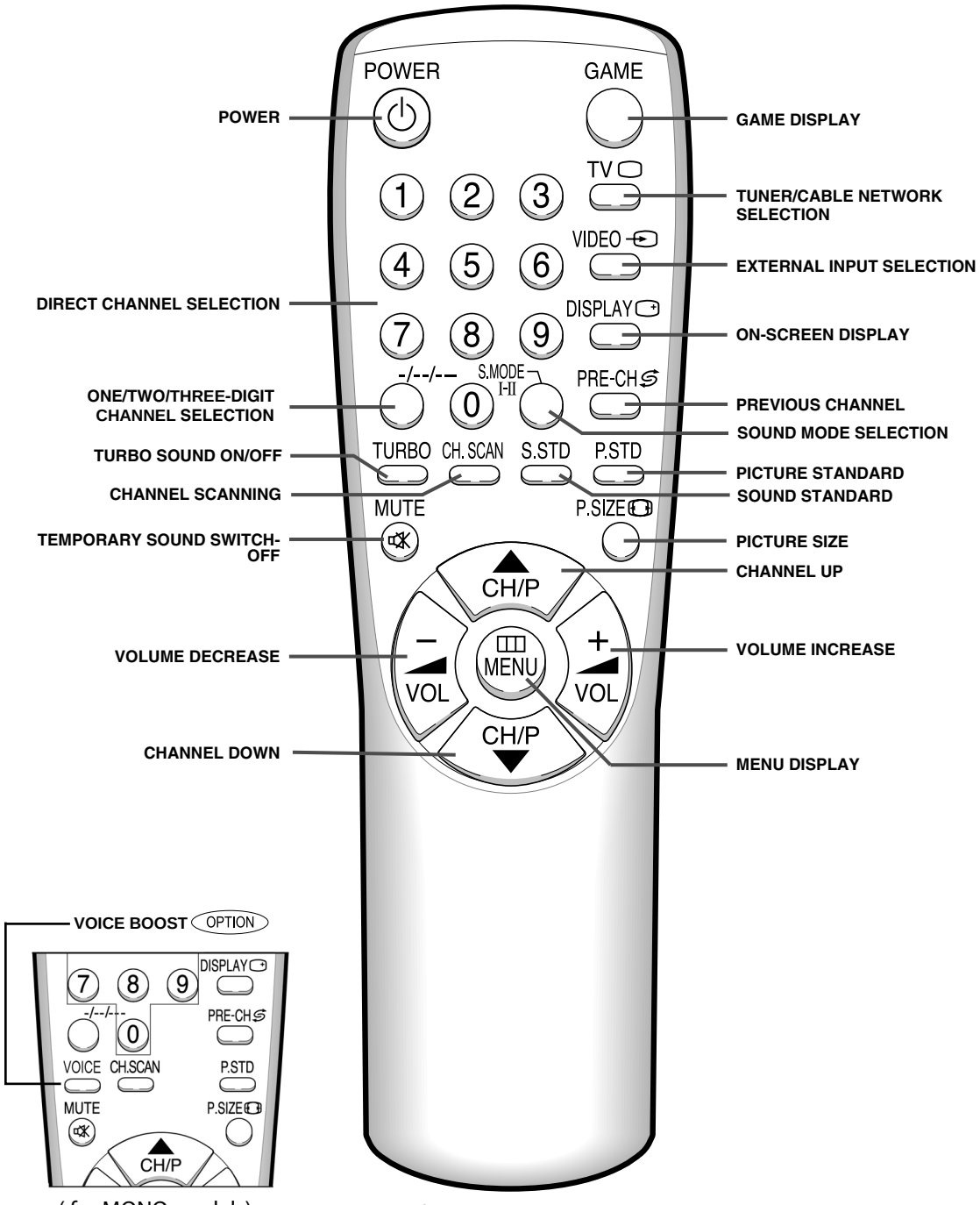

(for MONO models)

(for STEREO models)

Operation of remote control may be affected by bright artificial light near to the TV set.

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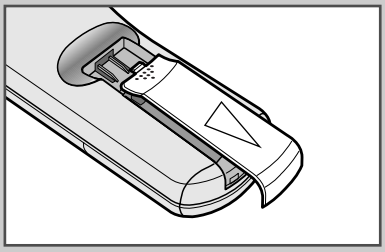
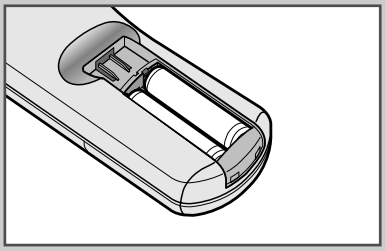
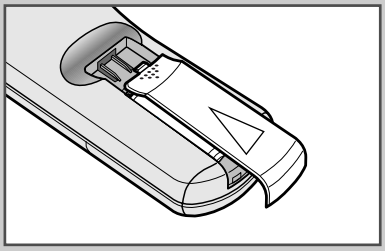
Inserting the Batteries in the Remote Control







You must insert or replace the batteries in the remote control when you :

- ***Purchase the television.***
- ***Find that the remote control is no longer operating correctly.***

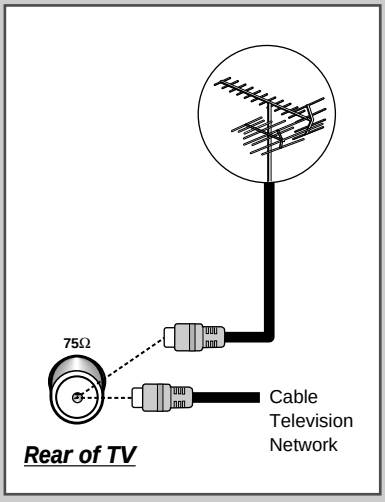
1 Remove the cover of the remote control by pressing the symbol (⁘) and pulling the cover in the direction of the arrow.

2 Insert batteries, taking care to respect the polarities:

- **+** on the battery with **+** on the remote control
- **–** on the battery with **–** on the remote control

3 Replace the cover by pushing it in the direction of the arrow.

Connecting the Aerial (or Cable Television Network)



To view television channels correctly, a signal must be received by the set from one of the following sources:

- ***An outdoor aerial***
- ***A cable television network***

Plug the aerial or cable network input cable to the 75Ω coaxial socket on the rear of the television.

Switching Your Television On and Off

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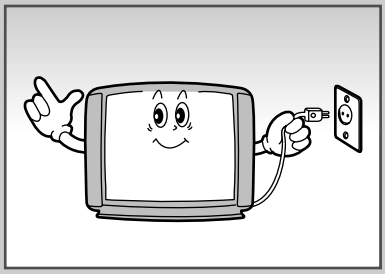
The mains lead is attached to the rear of the television.



1 Plug the mains lead into an appropriate socket.

➢ The main voltage is indicated on the rear of the TV set and the frequency is 50 or 60Hz.

2 Press the **POWER** ⏻ (ON/OFF) button on the front of the television.

Result: The Standby indicator lights up on the front panel.

3 Press the **POWER** ⏻ button on the remote control to switch the television on.

Result: The programme that you were watching last is re-selected automatically.

4 To switch your television off, press the **POWER** ⏻ (ON/OFF) button again on the front of the television.

Placing Your Television in Standby mode

Your television can be placed in Standby mode, in order to reduce:

- ***Power consumption***
- ***Wear of the cathode ray tube***

The Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

The television is placed automatically in Standby mode when you turn it on.

1 Press the **POWER** ⏻ button on the remote control.

Result: The screen is turned off and the Standby indicator on the front of the television lights up.

2 To switch the screen back on, simply press the **POWER** ⏻ button again on the remote control.

➢ Do not leave your television in standby mode for long periods of time (when you are away on holiday, for example). In this case, you should switch it off completely.

Plug & Play Feature

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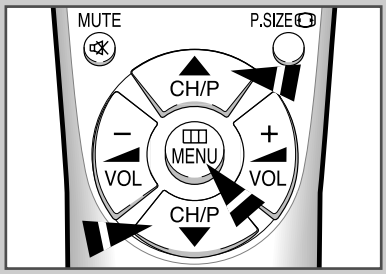
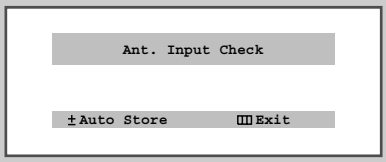
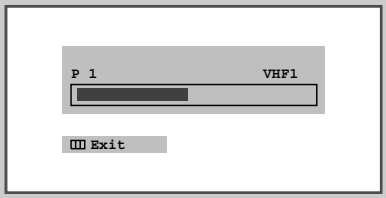
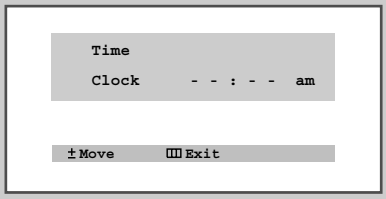
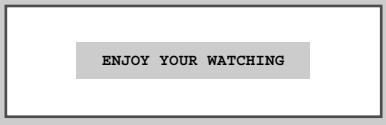
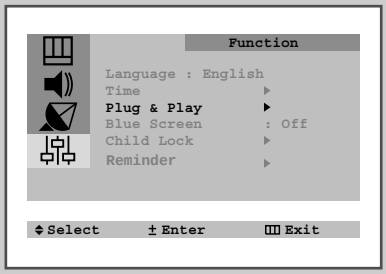












When the television is initially powered ON, three basic customer settings proceed automatically and subsequently: setting the language, channel and clock.

1 If the television is in Standby mode, press the **POWER** ⏻ button on the remote control.

Result: The message "Plug & Play" is displayed. It flickers for a little while and then the "Language" menu is automatically displayed.

2 Press the ▲ or ▼ button to select required language. Press the **MENU** button to enter the language, and then the message "Ant. Input Check" is displayed.

➢ If any language is not selected on the "Language" menu, the "Language" menu will disappear after 30 seconds.

3 Make sure that the antenna is connected to the TV. And then press the **+** or **-** button to store the channels (refer to "Storing the Channels Automatically" on page 12).

Result: The horizontal bar is displayed, and then channels are stored in an order which reflects their positions in the frequency range.

4 When searching and storing is complete, the "Time" menu is displayed.

5 Press the **+** or **-** button to move to the hour or minute. Set the hour or minute by pressing the ▲ or ▼ button (refer to "Setting and Displaying the Current Time" on page 26).

6 When you have finished, press the **MENU** button.

Result: The message "ENJOY YOUR WATCHING" is displayed, and then the channel which has been stored will be activated.

7 **If you want to reset this feature...**

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Function", and then press the **+** or **-** button.

3 Select the "Plug & Play" by pressing the ▲ or ▼ button, and then press the **+** or **-** button.

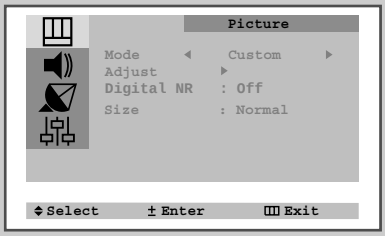
Result: The message "Plug & Play" is displayed.

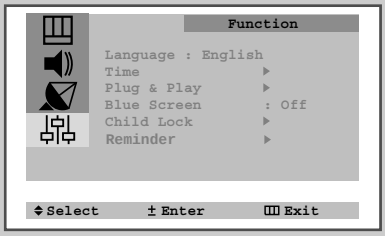
Choosing Your Language

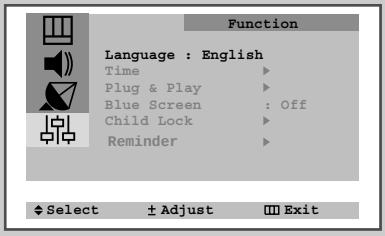
ENG

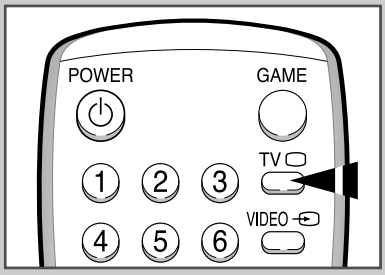
When you start using your television for the first time, you must select the language which will be used for displaying menus and indications.

1	Press the **MENU** button.
2	Press the ▲ or ▼ button to select the "Function"
3	Press the **+** or **–** button to select the "Language"
4	Select a particular language by pressing the + or - button repeatedly.
5	When you have finished, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.



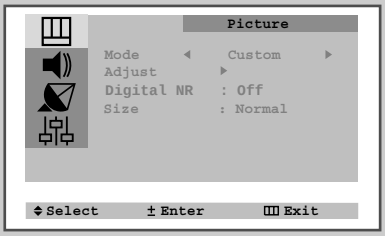


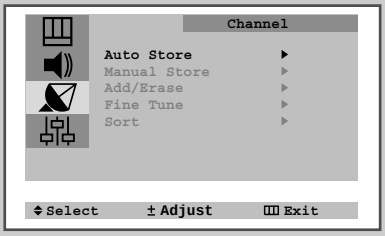


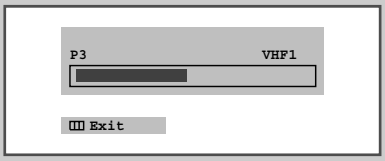


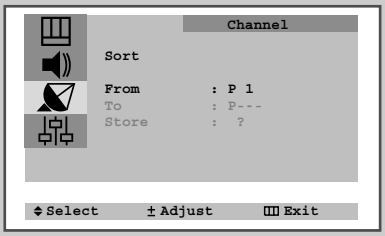
Storing the Channels Automatically

ENG









You can scan the frequency ranges available on your television and in your country and store all the channels found automatically.

The channels are stored in the order in which they appear in the frequency bands. It is possible that the automatically allocated numbers may not correspond to those by which you wish to identify the channels. If this is the case, refer to "Sorting the Stored Channels" on page 16.

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Channel".

3 Press the + or – button to select the "Auto Store"

4 Press the + or – button again.

Result: The horizontal bar is displayed, and then channels are stored in an order which reflects their positions in the frequency range. Finally, the search will end automatically.

5 When searching and storing is complete, the "Sort" menu is displayed.

To...	Then...
Sort the stored channels into the desired numerical order	Go to Step **4** of the "Sorting the Stored Channels" procedure on page 16.
Exit the channel store function without sorting the channels	Press the **MENU** button repeatedly until the menus disappear.

➢ ***If sound does not work regularly after storing channels, select the sound system that best corrosponds in " Manual Store" menu (refer to the next page)***

Storing the Channels Automatically - Turbo Store

Using Turbo search you can store all the channels found in your country in much less time compared to auto store.

The channels are stored in the order in which they appear in the frequency bands. It is possible that the automatically allocated numbers may not correspond to those by which you wish to identify the channels. If this is the case, refer to "Sorting the Stored Channels" on page 16.

➢ Perform the above mentioned steps to store channels using Turbo Store. In the third step select Turbo store instead of Auto store.

Storing the Channels Manually

ENG

When storing channels manually, you can choose:

- ***Whether or not to store each of the channels found.***
- ***The number by which you wish to identify each stored channel.***

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the “Channel” and press the **+** or **–** button.

3 Press the ▲ or ▼ button to select the “Manual Store” and press the **+** or **–** button.

Result: The “Manual Store” menu is displayed with the “Color System” selected.

4 Press the **+** or **–** button repeatedly until the color is of the best quality.

Result: The “Color System” is changed (depending on the model).

AUTO ↔ **PAL** ↔ **SECAM** ↔ **NTSC4.43**

NTSC4.43 is a “trick” playback mode used by special VCR’s to play PAL-recorded videos in NTSC mode.

5 Press the ▲ or ▼ button to select the “Sound System” and press the **+** or **–** button repeatedly until the sound is of the best quality.

Result: The “Sound System” is changed (depending on the model).

B/G ↔ **D/K** ↔ **I**

If sound does not work regularly after storing channels, select the sound system which best corresponds.

6 To start the search, select the “Search” and then press the **+** or **–** button.

Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

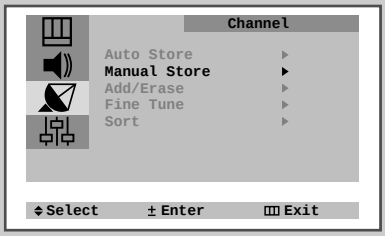
7 To assign a programme number to the channel, select the “Prog.No.”. Press the **+** or **–** button until you find the correct number.

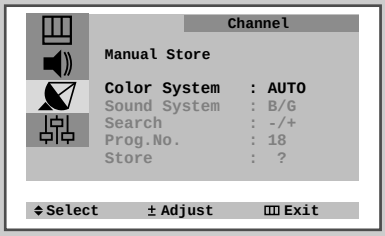
8 To store the channel and associated programme number, select the “Store” and press the **+** or **–** button.

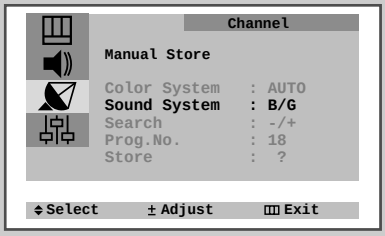
Result: “OK” is displayed.

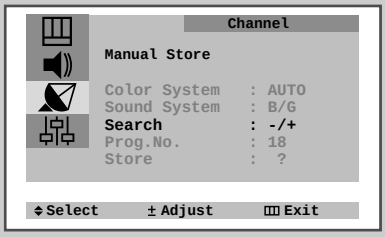
9 Repeat Steps **6** to **8** for each channel to be stored.

10 When you have finished manual storage, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing



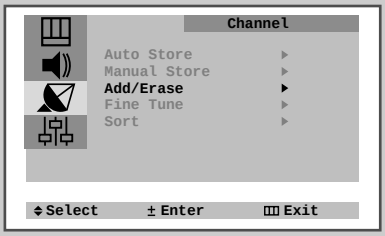


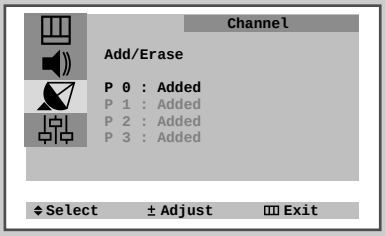


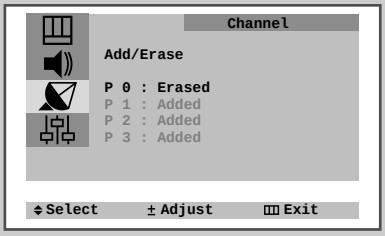


Skipping Unwanted Channels

ENG







You can exclude the channels of your choice from the channel scan operation. When you scan through the stored channels, those you have chosen to skip are not displayed.

All channels that you do not specifically choose to skip are displayed during scanning.

1	Press the **MENU** button.
2	Press the ▲ or ▼ button to select the “Channel” and press the **+** or **–** button.
3	Press the ▲ or ▼ button to select the “Add/Erase” and press the **+** or **–** button. Result: The “Add/Erase” menu is displayed.
4	Press the ▲ or ▼ button to select the required channel.
5	To add or erase the desired channel by pressing the **+** or **–** button.
6	When you have finished adding and erasing channels, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

Fine tuning Channel Reception

ENG

If the reception is clear, you do not have to fine-tune the channel, as this is done automatically during the search and store operation. If however the signal is weak or distorted, you may have to fine-tune the channel manually.

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the “Channel” and press the **+** or **–** button.

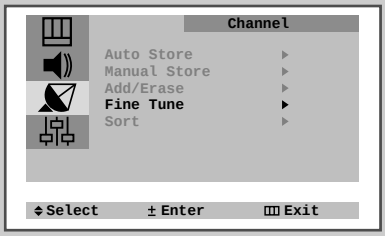
3 Press the ▲ or ▼ button to select the “Fine Tune” and press the **+** or **–** button.

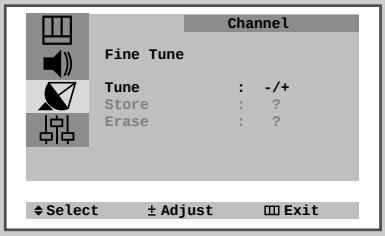
Result: The “Fine Tune” menu is displayed with the “Tune” selected.

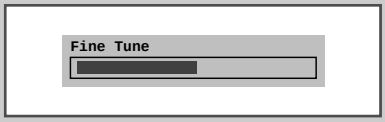
4

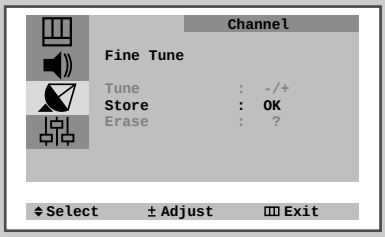
To...	Press the...
obtain a sharp and clear picture and good sound quality	◆ **+** or **–** button. Result: The horizontal bar’s cursor moves to the left or right.
memorise adjusted picture or sound	◆ ▲ or ▼ button to select the “Store”. ◆ **+** or **–** button. Result: “OK” is displayed.
erase adjusted picture or sound	◆ ▲ or ▼ button to select the “Erase”. ◆ **+** or **–** button. Result: “OK” is displayed.

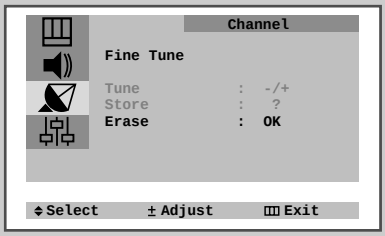
5 When you have finished, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.





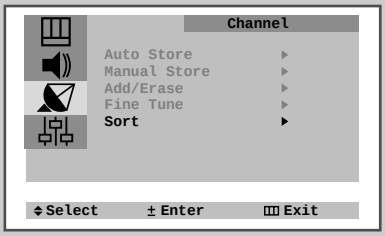


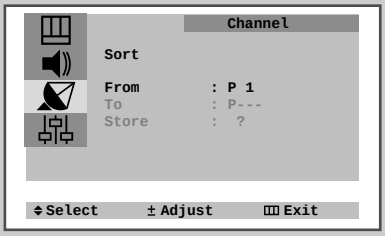


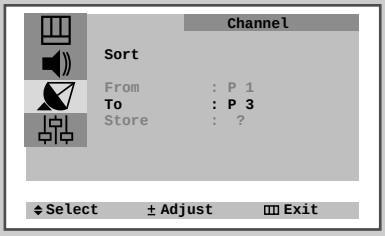


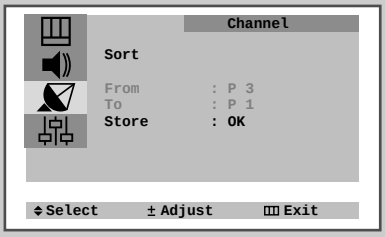
Sorting the Stored Channels

ENG









You can exchange the numbers of two channels, in order to:

- ***Modify the numeric order in which the channels have been automatically stored.***
- ***Give easily remembered numbers to the channels that you watch most often.***

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the “Channel” and press the **+** or **–** button.

3 Press the ▲ or ▼ button to select the “Sort” and press the **+** or **–** button.

Result: The “Sort” menu is displayed with the “From” selected.

4 Press the **+** or **–** button until the channel number that you wish to change is displayed.

Result: The selected channel’s picture is displayed.

5 Press the ▲ or ▼ button to select the “To”.

6 Press the **+** or **–** button until the new number by which you wish to identify the channel is displayed.

Result: The selected channel is exchanged with the one previously stored to the chosen number.

Example: If you select “ P 1” for the “From” and “P 3” for the “To”:
- Channel 1 becomes channel 3.
- Channel 3 becomes channel 1.

7

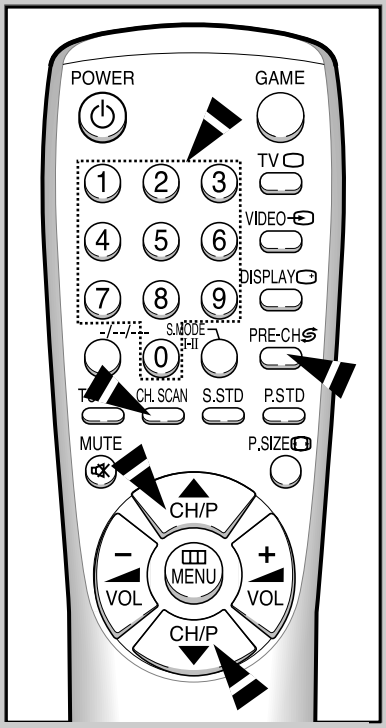
To...	Press the...
Confirm the exchange of channel numbers	◆ ▲ or ▼ button to select the “Store”. ◆ **+** or **–** button. Result: “OK” is displayed. ➢ You can exchange other channel numbers by selecting “From” and returning to step **4**.

8 When you have finished sorting channels, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing

Changing Channels

Once you have stored the channels on your television, you can switch easily from one channel to another using the remote control.

To switch...	Press...
To the next channel	▲
To the previous channel	▼
To another channel	The numeric button(s) corresponding to that channel.



Pre-Channel

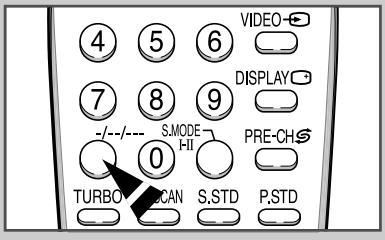
Press PRE-CH (Pre Channel button) to switch repeatedly between last two channels displayed. This can be done as many times as required.

Channel Scan

Press CH.SCAN (Channel Scan button) for a 2 Second review of each added channel. Press any key to exit Channel Scanning.

Selecting a Channel Numbered Ten or Over

When using the numeric buttons to select a channel stored at programme position ten or higher, follow the instructions below.



1 Press the **-/--/---** button.

Result: The **"--"** or **"---"** symbol is displayed.

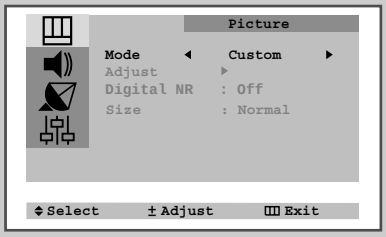
2 Enter the two-digit channel number or three-digit channel number.

Example: To select channel 42, press 4, followed by 2.

To select channel 187, Press **-/--/---** till **"---"** is displayed. Then press 1, followed by 8, followed by 7.

ENG

Changing the Picture Standard



You can select the type of picture which best corresponds to your viewing requirements. The following picture effects are available in the order given:

- ***Custom, Standard, Sports, Natural, Mild.***

1 Press the **MENU** button.

Result: The "Picture" menu is displayed.

2 Press the **+** or **–** button.

Result: The "Mode" menu is selected.

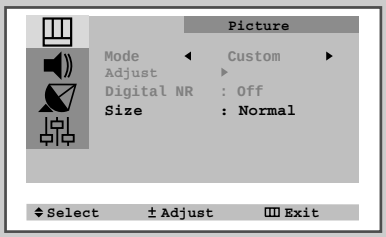
3 Select to satisfy your preference by pressing the **+** or **–** button.

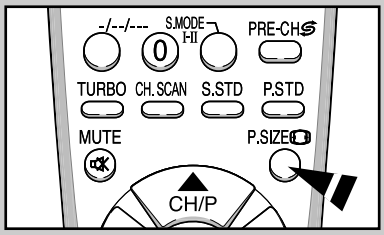
These picture standards are saved for each channel.

4 When you have been finished, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

➢ ***You can select the required picture effect by simply pressing the "P.STD" (Picture standard) button on the remote control.***

Selecting the Picture Format (depending on the model)





You can select the picture format which best corresponds to your viewing requirements. The following picture formats are available in the order given:

- ***Normal***
- ***Zoom***
- ***16:9 (option)***

1 Press the **MENU** button.

Result: The "Picture" menu is displayed.

2 Press the **+** or **–** button.

3 Press the ▲ or ▼ button to select the "Size".

4 Select to satisfy your preference by pressing the **+** or **–** button.

5 When you have been finished, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

➢ ***You can select the required picture format by simply pressing the "P.SIZE" (Picture size) button on the remote control.***

Adjusting the Picture Settings

ENG

Your television has several settings which allow you to control picture quality:

- ***Color Tone, Contrast, Brightness, Sharpness, Color, Tint (NTSC only)***

1 Press the **MENU** button.

Result: The "Picture" menu is displayed.

2 Press the + or − button.

3 Press the ▲ or ▼ button to select the "Adjust", and then press the + or − button.

Result: When select the "Mode" to "Custom", the "Adjust" menu is displayed.

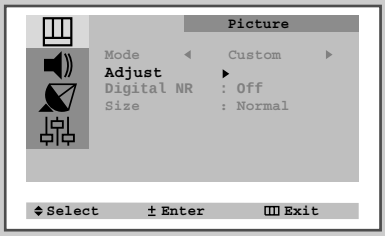
4

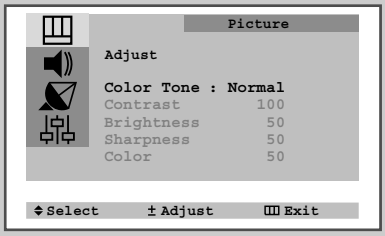
To adjust the...	Press the...
◆ Color Tone	+ or − button. Result: You select the required option (Normal, Warm1, Warm2, Cool1, Cool2).
◆ Contrast ◆ Brightness ◆ Sharpness ◆ Color	+ or − button. Result: The horizontal bar is displayed.

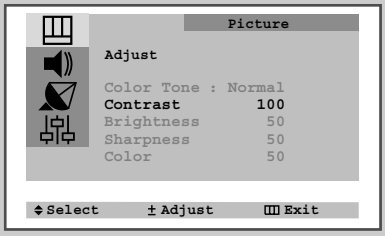
5 When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

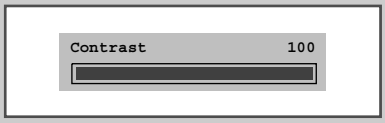
➢ ***The television has an "Automatic Degaussing"system that is activated if magnetic interference is present. To degauss the television screen, switch power off by pressing the* POWER (ON/OFF) *button on the front panel (refer to "Automatic Degaussing to Remove Color Patches" on page 34).***

➢ ***If you make any changes to the "Adjust" settings, the picture standard is automatically switched to "Custom".***



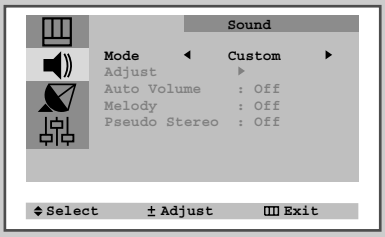






Changing the Sound Standard (depending on the model)

ENG



You can select the type of special sound effect to be used when watching a given broadcast. The following sound effects are available in the order given:

- ***Custom, Standard, Music, Movie, Speech.***

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Sound" and press the **+** or **–** button.

Result: The "Mode" menu is selected.

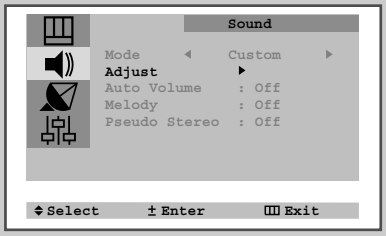
3 Select to satisfy your preference by pressing the **+** or **–** button.

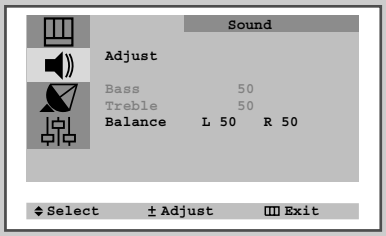
These Sound Standards can be saved for each channel.

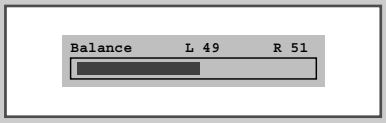
4 When you have been finished, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

➢ ***You can select the required sound effect by simply pressing the "S.STD" (Sound standard) button on the remote control.***

Adjusting the Sound Settings (depending on the model)







The sound settings can be adjusted to suit your preferences.

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Sound" and press the **+** or **–** button.

3 Press the ▲ or ▼ button to select the "Adjust" and press the **+** or **–** button.

Result: When select the "Mode" to "Custom", the "Adjust" menu is displayed.

4 Select the required option by pressing the ▲ or ▼ button and adjust to satisfy your preference by pressing the **+** or **–** button.

5 Press the **+** or **–** button.

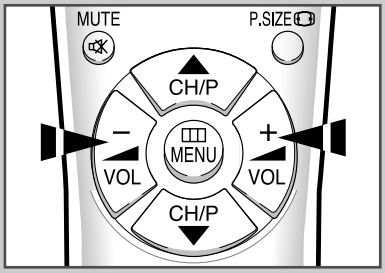
Result: The horizontal bar is displayed.

6 When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

Adjusting the Volume

ENG

You can adjust the volume by pressing the + or - button on the remote control.



- Press the **+** button to increase the volume (cursor moves to the right)
- Press the **–** button to decrease the volume (cursor moves to the left)

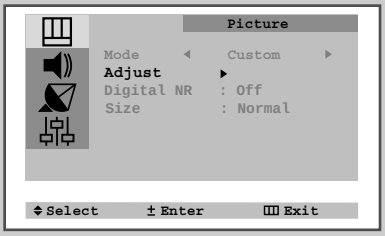
➢ ***Different Volume Level can be adjusted and saved at each Channel and in external input mode.***

➢ ***The volume setting is retained:***

- ***When you switch the television to standby mode***
- ***When you switch the television off using the* POWER ⏻ (ON/OFF) *button on the front panel.***
- ***If there is a power failure.***

Activating/Deactivating Digital NR

If the broadcast signal received by your television is weak, you can activate the Digital Noise Reduction Feature to help reduce any picture disturbance and ghosting that may appear on the screen.

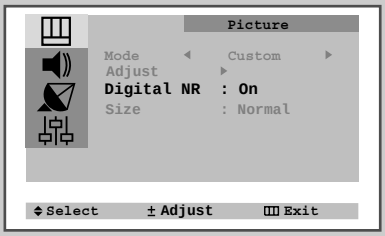


1 Press the **MENU** button.

Result: The "Picture" menu is displayed.

2 Press the **+** or **–** button.

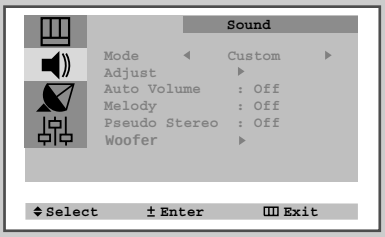
3 Press the ▲ or ▼ button to select the "Digital NR", and then press **+** or **–** button to select "On".

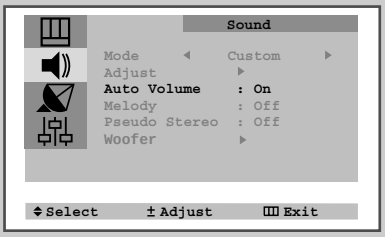


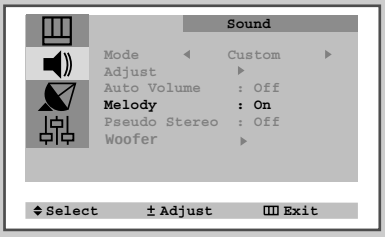
4 When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

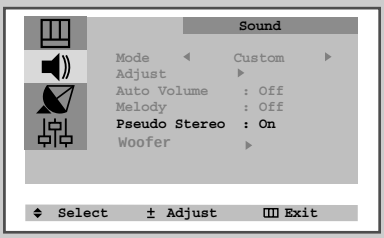
Extra Sound Settings (depending on the model)

ENG









The following sound settings can be adjusted to suit your preferences.

- ***Auto Volume***

  Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. "Auto Volume" lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low. This is saved for each Channel individually.

- ***Melody***

  You can hear clear melody sound when the TV is powered ON or OFF.

- ***Pseudo Stereo***

  "Pseudo Stereo" converts a monaural sound signal into two identical left and right channels.
  Once the "Pseudo Stereo" is set to "On" or "Off", the setting applies to the sound effects such as Standard, Music, Movie and Speech. This is saved for each Channel and for external input mode individually.

- ***Turbo Sound***

  You can enjoy more magnificent and dynamic sound when watching music, movie or other channel. "Turbo Sound" suitably emphasizes both higher and lower bands of sound (and includes other effects). You can select the Turbo Sound by pressing the "TURBO" button on the Remote Control. This is saved for each Channel and for external input mode individually.

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Sound" and press the **+** or **–** button.

3

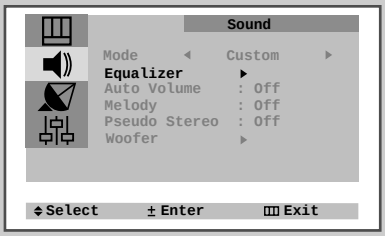
To...	Press the...
Change an option	▲ or ▼ button.
Select the required option (On/Off)	**+** or **–** button.

4 When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

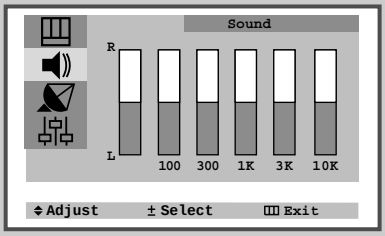
Equalizer Settings (depending on the model)

ENG

The sound settings can be adjusted to suit your personal preferences.

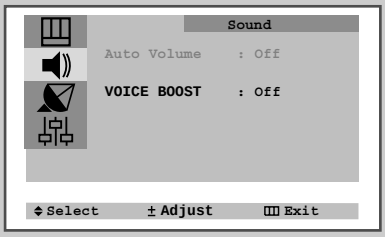


1	Press the **MENU** button.	
2	Press the ▲ or ▼ button to select the “Sound” and press the **+** or **–** button. Result: The "Sound" menu will be displayed.	
3	Press the ▲ or ▼ button to select the “Equalizer” and press the + or – button. Result: The "Equalizer" menu will be displayed.	
	➢ When you select the "Mode" to "Custom", the "Equalizer" is displayed.	
4	**To...**	**Press the...**
	Change an option	▲ or ▼ button.
	Select the required option	**+** or **–** button.
5	When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.	

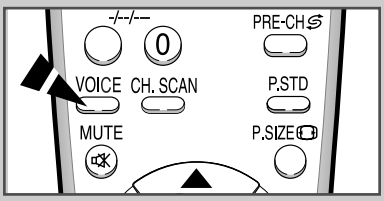


Voice Boost SRS Dialog Clarity (depending on model)

Voice Boost enhances the clarity of Dialogue/Speech of the current channnel.



1	Press the **MENU** button.	
2	Press the ▲ or ▼ button to select the "Sound" and press the **+** or **–** button.	
3	**To...**	**Press the...**
	Change an option	▲ or ▼ button.
	Select the required option (On/Off)	**+** or **–** button.
4	When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.	

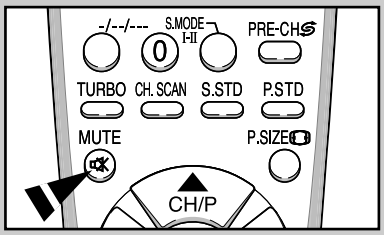


➢ ***You can select the "Voice Boost" by simply pressing the "VOICE" button on the remote control.***

SRS Dialog Clarity **is a trademark of SRS Labs, Inc.**
Dialog Clarity , technology is incorporated under license from SRS Labs, Inc.

Switching the Sound Off Temporarily

ENG

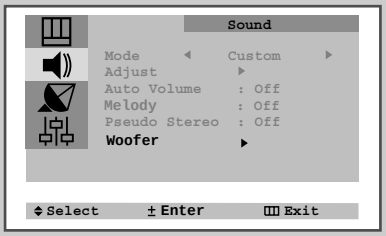


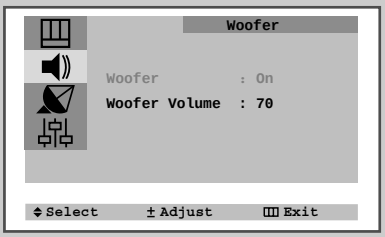
You can switch the sound off temporarily, for example you may wish to answer the telephone.

1 Press the **MUTE** button.
Result: The sound is switched off and "" is displayed.

2 When you wish to turn the sound back on at the same volume as before, press the **MUTE** button again (or either of the volume buttons).

Adjusting the Woofer Settings (depending on model)





Bass sound effect can be heard very clearly if you have chosen the Woofer mounted model.
To connect the Woofer, remove the packing, insert the 2 circular ribs on the front of the Woofer in the holes provided on top of the back cabinet. Rest the Woofer gently on the top of the back cabinet. Connect the 2 lead wires (one Black & one Red) in the Woofer Jack provided at the back of the cabinet.
To activate the Woofer:

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Sound" and press the − or + button.

3 Press the ▲ or ▼ button to select the "Woofer", and press the − or + button.
Result: The "Woofer" menu is displayed with "Woofer" set to "On".

4 Select the "Woofer Volume" by pressing the ▲ or ▼ button and select the desired volume level.

5 When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

➢ ***If you want to use "Headphones", first turn the Woofer to "Off" position.***

Selecting the Sound Mode (depending on the model)

ENG

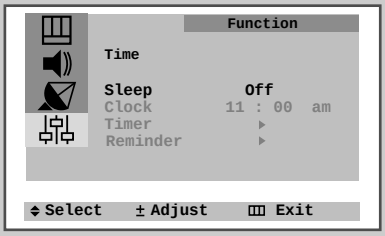
The "S.MODE I-II" button displays/controls the processing and output of the audio signal. When power is switched ON, the mode is automatically preset to either "Dual-I" or "STEREO", depending on the current transmission.

	Type of broadcast	On-screen indication
NICAM Stereo	Regular broadcast (Standard audio)	**MONO** (Normal use)
	Regular + NICAM Mono	**MONO** <------> **MONO** **NICAM** (Normal)
	NICAM Stereo	**STEREO** <------> **MONO** **NICAM** (Normal)
	NICAM Dual-I/II	**Dual-I** --> **Dual-II** --> **MONO** **NICAM** **NICAM** (Normal)
A2 Stereo	Regular broadcast (Standard audio)	**MONO** (Normal use)
	Bilingual or Dual-I/II	**Dual-I** <------> **Dual-II**
	Stereo	**STEREO** <------> **MONO** (Forced Mono)

- ◆ ***If the receiving conditions deteriorate, listening will be easier if the mode is set to the "MONO" position using the "S.MODE I-II" button.***
- ◆ ***If the stereo signal is weak (or if intermittent Stereo-Mono) and automatic switching occurs, then switch to the "MONO" mode.***
- ◆ ***When receiving mono sound in the AV mode, connect to the "L" input jack on the panels. If the mono sound comes out only from the left speaker, then press the "S.MODE I-II" button.***

Setting the Sleep Timer

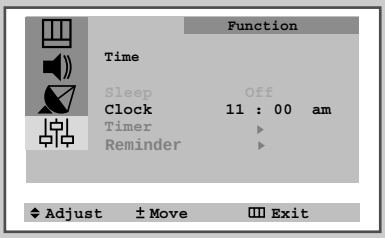
ENG

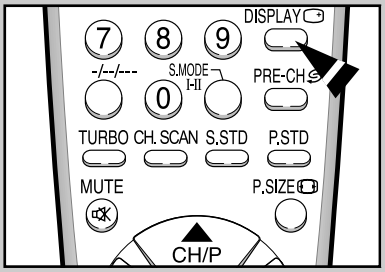


You can select a time period of between 30 and 180 minutes after which the television automatically switches to Standby mode.
You can select a time period of between 30 and 180 minutes after which the television automatically switches to Standby mode.

1	Press the **MENU** button.
2	Press the ▲ or ▼ button to select the "Function " and press the **−** or **+** button.
3	Press the ▲ or ▼ button to select the "Time" , and press the **−** or **+** button. Result: The "Time" menu is displayed with the " Sleep" selected.
4	Press the **−** or **+** button repeatedly and cycle through the preset time intervals (30, 60, 90, 120, 150, 180). Result: The television automatically switches to standby mode when the timer reaches 0.
5	To cancel the sleep timer function, press the **−** or **+** button repeatedly and select "Off"

Setting and Displaying the Current Time (depending on the model)





You can set the television's clock so that the current time is displayed when you press the "DISPLAY ⊡ " button.

You must also set the time if you wish to use the automatic On/Off timers.

The clock setting will be re-activated when pressing the " ⏻ "(ON/OFF) button on the front panel.

1	Press the **MENU** button.	
2	Press the ▲ or ▼ button to select the "Function " and press the **−** or **+** button.	
3	Press the ▲ or ▼ button to select the "Time" , and press the **−** or **+** button. Result: The "Time " menu is displayed with the "Clock " selected.	
4	**To...**	**Press the...**
	Move to the hour or minute	**−** or **+** button.
	Set the hour or minute	▲ or ▼ button.
5	When you have finished, press the **TV** ⊡ button or, press the **MENU** button repeatedly to return to normal viewing.	
6	**To display the...**	**Press the DISPLAY ⊡ button...**
	Channel information	Once.
	Current time	Twice.
7	To remove the display, press the **DISPLAY** ⊡ button again.	

Switching the Television On and Off Automatically (depending on the model)

ENG

You can set the On/Off timers so that the television will:

- ***Switch on automatically and tune to the channel of your choice at the time you select***
- ***Switch off automatically at the time you select***

➢ ***The first step is to set the television's clock (refer to "Setting and Displaying the Current Time" on the previous page). If you have not yet set the clock, the message "Set the clock first" is displayed.***

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Function" and press the **–** or **+** button.

3 Press the ▲ or ▼ button to select the "Time", and press the **–** or **+** button.

Result: The "Time" menu is displayed.

4 Press the ▲ or ▼ button to select the "Timer".

5 Press the **–** or + button to enter "Timer" menu.

6 Press the **–** or **+** button to set the mode to "On".

Result: The "On Time", "Off Time", "Pr.No." and "On Vol." options are displayed

➢ Pr.NO.: Enter the Program Number you want to switch on your TV with On Timer.

➢ On Vol.: Enter the Volume you want to switch with On Timer.

7 Press the ▲ or ▼ button to select the "On Time".

8 Set the time at which you wish the television to be switched On.

To...	Press the...
Move to the hour or minute	**–** or **+** button.
Adjust the hour or minute	▲ or ▼ button.

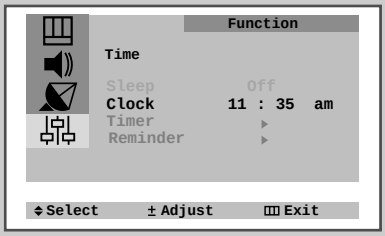
9 In the same way, set the time at which you wish the television to be switched Off.

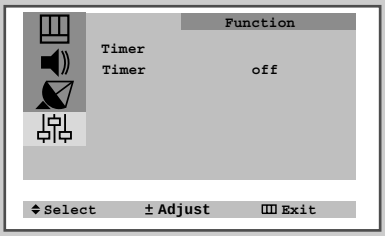
10 You can also set the program no. and On Volume, you want to switch on your TV with on timer.

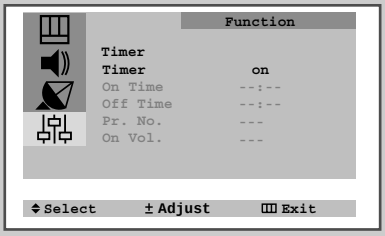
11 When you have finished setting the On/Off time, Pr. No. and On Vol. press the TV button or press the **MENU** button repeatedly to return to normal viewing.

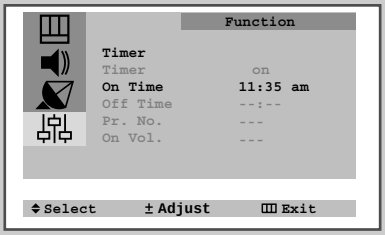
➢ **Fuzzy Power Off**

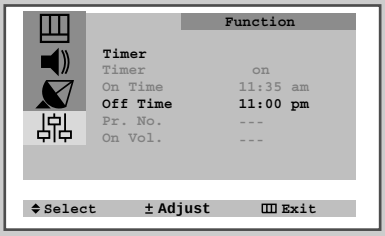
If no function buttons (including remote control buttons or front panel buttons) are operated for three hours after the TV is turned on by "On time", the TV will be automatically turned off.

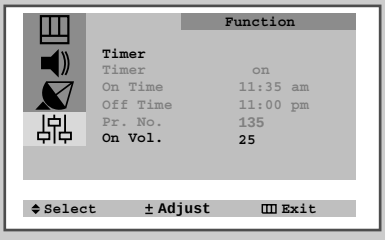






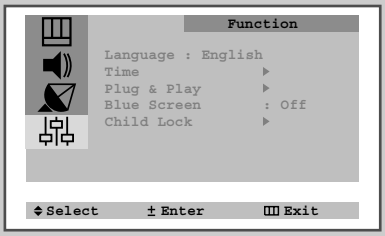


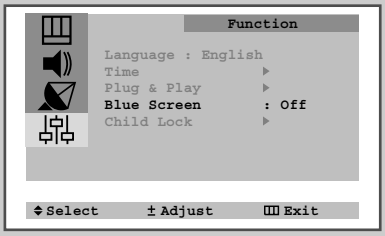




ENG

Setting the Blue Screen Mode





If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".

1. Press the **MENU** button.
2. Press the ▲ or ▼ button to select the Function and press the + or − button.
3. Press the ▲ or ▼ button to select the "Blue Screen".
4. Select the required option (On/Off) by pressing the + or − button.
5. When you are satisfied with the settings, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

Settings for Pick 'n' Choose

You can save certain custom features depending on preferences for all the 200 Channels and external input mode.

1. **Picture Standard** is saved for all the channels and external input mode, individually as Custom, Standard, Sports, Natural or Mild.
2. **Sound Standard** is saved for all the channels and external input mode, individually as Custom, Standard, Music, Movie or Speech.
3. The status of sound settings, such as Auto Volume, Pseudo Stereo and Turbo Sound are saved as **ON/OFF** for all the channels and and external input mode individually.
4. In addition to Sound Setting, Volume level for all the channels and external input mode, can be saved individually as per your preference.

Activating the Child Lock

ENG

You can restrict viewing by locking the channels of your choice.

Example: ***You can prevent your children from watching unsuitable programmes.***

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the “Function” and press the **–** or **+** button.

3 Press the ▲ or ▼ button to select the “Child Lock” and press the **–** or **+** button.

Result: The “Child Lock” menu is displayed.

4 Set to “On” by pressing the **–** or **+** button.

➢ If you want to unlock a channel, set to “Off”.

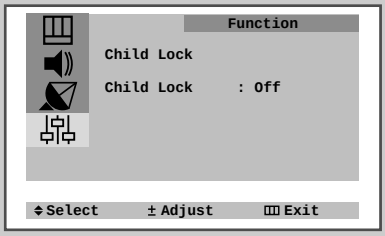
5 Press the ▲ or ▼ button to select the “Prog.No.”. Select the number of the channel to be locked by pressing the **–** or **+** button.

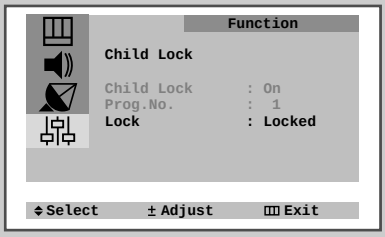
6 Press the ▲ or ▼ button to select the “Lock” and press the **–** or **+** button.

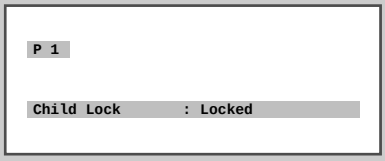
Result: “Locked” is displayed.

7 When you have finished, press the **TV** button or, press the **MENU** button repeatedly to return to normal viewing.

➢ If any channel is locked, you cannot enter the “Channel” menu using the CTV front panel keys.
(the message “Not available” is displayed).

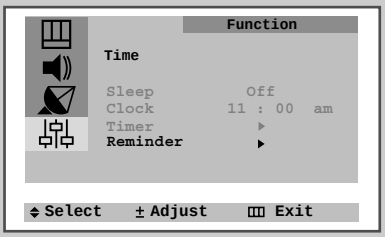


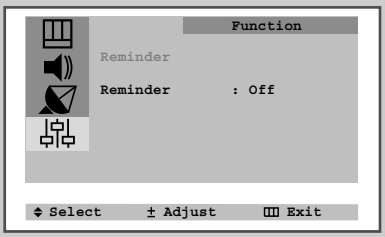


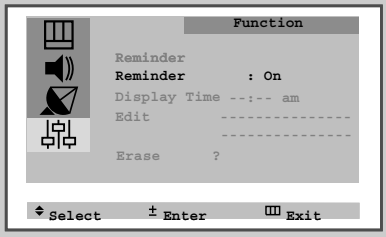


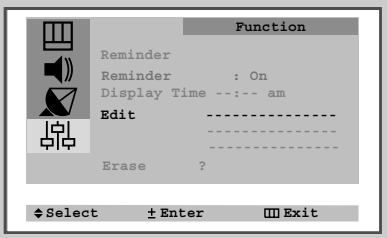
Setting the Reminder

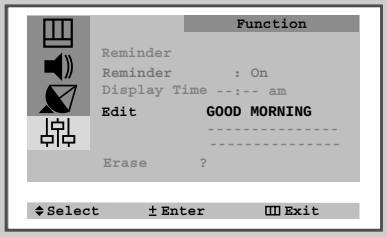
ENG











You can set a reminder so that you can display your message at desired time.

The first step is to set the television clock. (Please refer to "Setting and Displaying the Current Time" section).
If you have not set the Clock, the message "Set the Clock first" is displayed.

1 Press the **MENU** button.

2 Press the ▲ or ▼ button to select the "Function" and press + or − button.

3 Press the ▲ or ▼ button to select the "Time", and press + or − button.

Result: The "Time" menu is displayed.

4 Press the ▲ or ▼ button to select the "Reminder", and press + or − button.

Result: The "Reminder" menu is displayed.

6 Press the + or − button to set the mode to "On".

Result: The "Display Time", "Edit" and "Erase" are displayed.

8 Press the ▲ or ▼ button to select "Edit", that enables you to enter your desired message.

9 Set the Message you want to display.

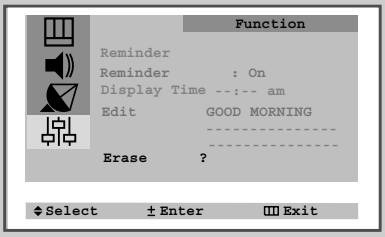
To...	Press the...
move to the next position	+ or − button.
Enter the character	▲ or ▼ button.

Setting the Reminder (continued)

ENG

10 Press ▲ or ▼ button to select "Erase", and press + or – button.

Result: The message entered by you will be erased.

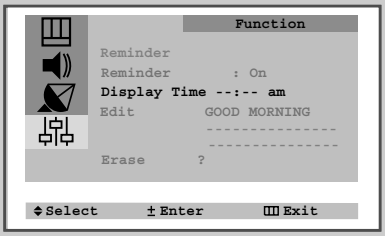


11 Press the Menu button to return to "Reminder" menu.

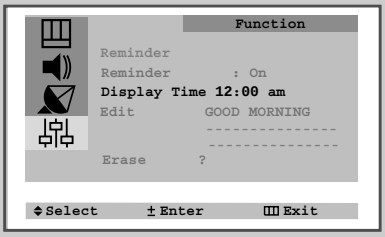
12 Press the ▲ or ▼ button to select "Display Time".

13 Set the time at which you wish the message to be displayed.

To...	Press the...
move to the hour or minute	+ or – button.
Adjust the hour or minute	▲ or ▼ button.

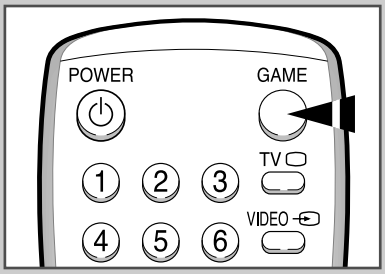


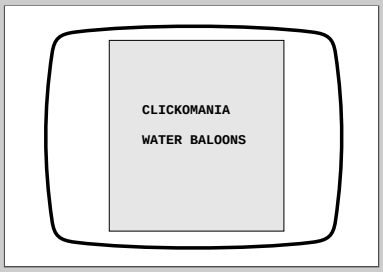
14 When you have finished setting the "Reminder", press TV button or press the MENU button repeatedly to return to normal viewing.

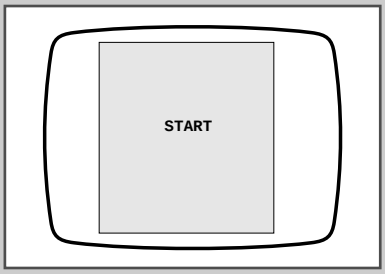


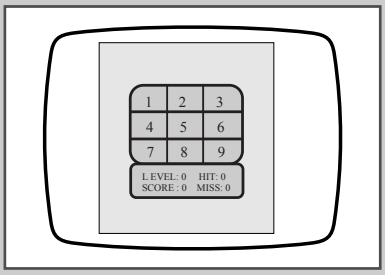
Enjoying Games (depending on the model)

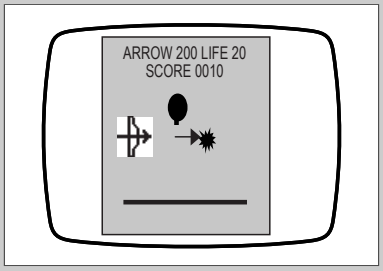
ENG











You can enjoy the following games programmed in this TV:

- ***Clickomania***
- ***Water Baloons***

1 Press the **GAME** button to enter the Game mode.

Result: The "Game Selection Menu" will be displayed.

2 Press the ▲ or ▼ button to select the game and **–** or **+** button to go to the start screen. Press **–** or **+** again to start the game

Clickomania

There are nine boxes numbered 1-9 on the screen. These numbers will not appear on the screen but are given for reference. After some time a object (money bag) will appear randomly in any one of the boxes.You have to hit the target with numeric keys 1-9 on the remote. If the target appers in the box no. 1 then you have to press key 1 on the remote to hit the target. If you hit the target another object will appear in the same box confirming your hit. If you miss, will not appear. Game will end in the following cases:-

- ¿ If you miss the object (money bag) 20 times.
- ¿ If you hit the target 999 times and reach the maximum hit score.

Water Balloons

Water ballons will fall downwards & you have to hit them by hitting arrows by pressing the **+** key.
You can move the bow up and down by pressing the ▲ and ▼ keys. final score will be displayed in the following two cases:-

- ¿ If you miss the target 20 times.
- ¿ If you reach the maximum game score of 9990.
- ¿ If you use all your arrows (200).

4 If you want to stop during the game, press the **MENU** button. Then, the final score window will be displayed.

5 If you want to re-start the game, press the **MENU**, **–** or **+** button. Then, the final score window will be switched to the START window.

6 To exit the Game mode, press the **GAME** button.

Entering in the Game Zone (Depending on Model)

ENG

There are two ways of entering the "Game Zone"

(a) By the "Game Key"
Press the "Game Key" on the Remote control.

Result: You will enter the "GAME ZONE"

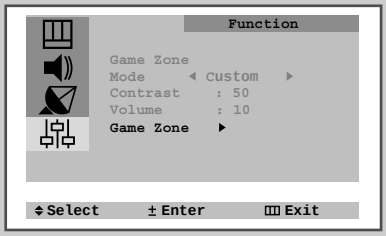
(b) By the "Game Menu"

1 Press the MENU button.

2 Press ▲ or ▼ button to select "FUNCTION" and press + or – button.

3 Press ▲ or ▼ button to select "GAME ZONE" and press + or – button.

Result: Game menu is displayed.



4 Press ▲ or ▼ button to select "GAME ZONE"

5 Press + or – button to enter in the "GAME ZONE"

Result: You will enter the "GAME ZONE"

Changing the Game Mode

You can select the game mode which best corresponds to your viewing requirements.

1 Press the MENU button.

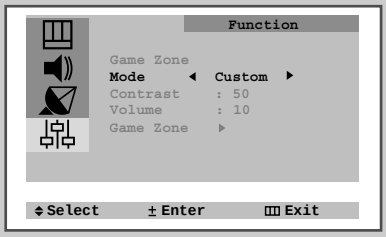
2 Press ▲ or ▼ button to select "FUNCTION" and press + or – button.

3 Press ▲ or ▼button to select "GAME ZONE" and press + or – button.

Result: Game menu is displayed.

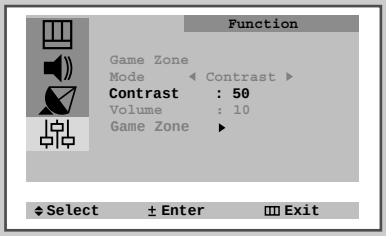
4 Press + or – button repeatedly to change Game Mode to "CUSTOM" or "STANDARD"

5 For viewing the effect of"Game Mode", enter into Game Zone.



ENG

Adjusting the Game Contrast



You can adjust the contrast of the Game as per your requirements.

1 Press the MENU button.

2 Press ▲ or ▼ button to select "FUNCTION" and press + or – button.

3 Press ▲ or ▼ button to select "GAME ZONE" and press + or – button.

Result: Game menu is displayed.

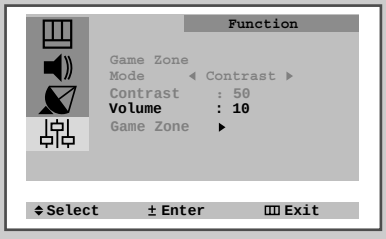
4 Press ▲ or ▼ button to select "CONTRAST"

Note: Game contrast can be changed only in Custom Mode.

5 Press + or – button to change Game Contrast as per your choice

6 For viewing the effect of"Game Contrast", enter into Game Zone.

Adjusting the Game Volume



You can adjust the volume of the Game as per your requirements.

1 Press the MENU button.

2 Press ▲ or ▼ button to select "FUNCTION" and press + or – button.

3 Press ▲ or ▼ button to select "GAME ZONE" and press + or – button.

Result: Game menu is displayed.

4 Press ▲ or ▼ button to select "VOLUME"

5 Press + or – button to change Game Vol as per your choice

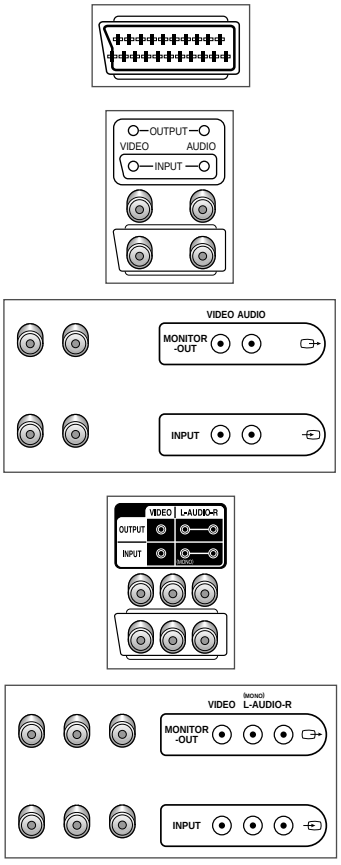
6 For viewing the effect of "Game Vol", enter into Game Zone.

Connecting to the Audio/Video Input/Outputs

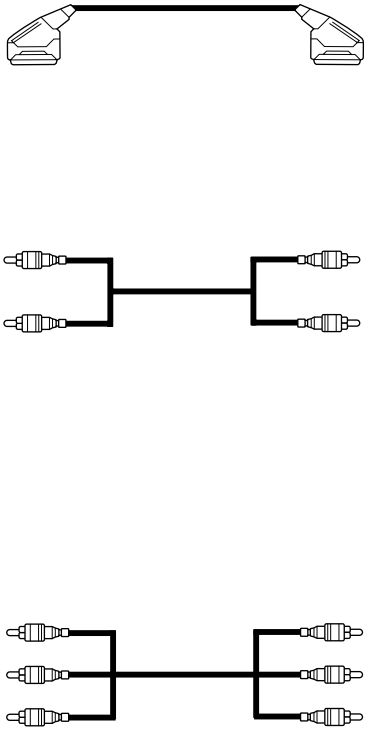
ENG

➢ ***The actual configuration on your TV may be different, depending on your model.***

Rear of TV
(depending on the model)

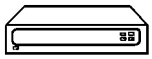


AV cable
(depending on the model)

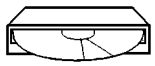


VCR

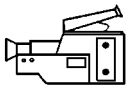
Decoder/ Video game device



Video disc player



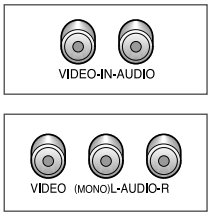
Camcorder



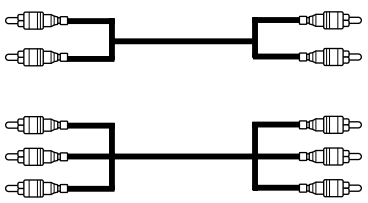
Satellite receiver

➢ The Audio/Video connector on the rear of the television is used for equipment with an RGB output.

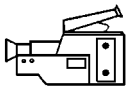
Front (or Side) of TV
(depending on the model)



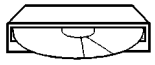
AV cable
(depending on the model)



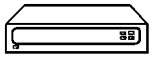
Camcorder



Video disc player



Decoder/ Video game device



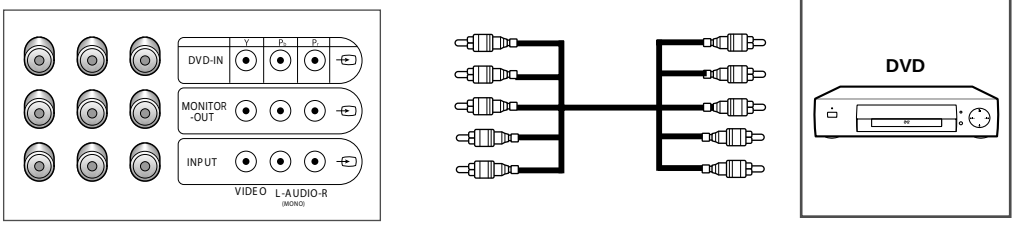
➢
- ◆ The Audio/Video connector on the front (or side) of the television is used for equipment, such as camcorders, video disc players and certain video games.
- ◆ When both the front (or side) and rear connectors are connected to external equipment, the front (or side) AV has the priority.

Connecting to the DVD Input (Option)

ENG

➢ The DVD/RCA (AUDIO-L and R) connectors are used for equipment with a DVD output.

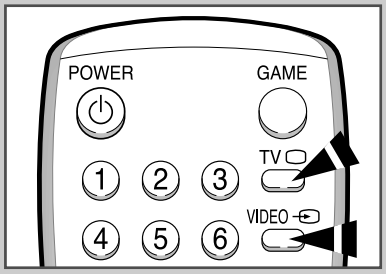
Rear of TV



Viewing Pictures From External Sources

ENG

Once you have connected up your various audio and video systems, you can view the different sources by selecting the appropriate input.



1 Check that all the necessary connections have been made.

2 Switch the television on and if necessary, press the **VIDEO** button one or more times until the required input is displayed.

➢ Depending on the source selected, the pictures may appear automatically.

➢ ***To watch television programmes again, press the TV button and select the number of the channel required.***

Automatic Degaussing to Remove Color Patches

A degaussing coil is mounted around the picture tube, so you do not normally need to degauss the television manually.

If you move the television to a different position and color patches appear on the screen, you must:

- ***Switch the television off by pressing the " POWER ⏻ " (ON/OFF) button on the front panel.***
- ***Unplug the television from the wall socket.***
- ***Leave the television power-off (stand-by) for about 30 minutes so that the automatic degauss function can be activated, and then press the " POWER ⏻ " button on the remote control.***

☛ ***If your television will be left unattended, press the " POWER ⏻ " (ON/OFF) button to turn your television off.***

Troubleshooting: Before Contacting Service Personnel

ENG

Before contacting Samsung after-sales service, perform the following simple checks.

If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the **POWER** ⏻ (ON/OFF) button. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	◆ Check the volume. ◆ Check whether the **MUTE** 🔇 button has been pressed on the remote control.
No picture or black and white picture	◆ Adjust the colour settings. ◆ Check that the broadcast system selected is correct.
Sound and picture interference	◆ Try to identify the electrical appliance that is affecting the television and move it further away. ◆ Plug your television into a different mains socket.
Blurred or snowy picture, distorted sound	◆ Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.

Memo

– AFTER SALES SERVICE

– Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.

SAMSUNG

ELECTRONICS

AA68-02418D (ENG)